

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018182

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G06K19/073, G06K17/00, G06K19/07, G06F12/14, G06F13/00,
G06F17/60, H04L9/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G06K19/073, G06K17/00, G06K19/07, G06F12/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	A. Juels, R. Pappu, "Suquealing Euros: Privacy Protection in RFID-Enabled Banknotes", In: R. Wright, ed., Financial Cryptography '03, Springer-Verlag, 2003, page 17, [retrieved on 08 March, 2005 (08.03.05)] Retrieved from the internet: <URL: http://www.rsasecurity.com/rsalabs/staff/bios/ajuels/publications/euro/Euro.pdf >	1, 5, 6, 15, 16, 24, 25, 33, 34 2-4, 7-14, 26-32
Y A	Stephen A. Weis, "Security and Privacy in Radio-Frequency Identification Devices", Masters Thesis, MIT, May 2003, pages 40 to 42., [retrieved on 08 March, 2005 (08.03.05)], Retrieved form the internet: <URL: http://theory.lcs.mit.edu/~sweis/masters.pdf >	1, 5, 6, 15, 16, 24, 25, 33, 34 2-4, 7-14, 26-32

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
08 March, 2005 (08.03.05)

Date of mailing of the international search report
29 March, 2005 (29.03.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 8-162996 A (Sanyo Electric Co., Ltd.), 21 June, 1996 (21.06.96), Par. No. [0050]; Fig. 7 (Family: none)	1, 5, 6, 15, 16, 24, 25, 33, 34 2-4, 7-14, 26-32
Y A	JP 2002-511985 A (GEMPLUS S.C.A), 16 April, 2002 (16.04.02), Page 15, line 6 to page 16, line 11 & EP 954824 A1 & WO 1998-029826 A1 & FR 2758027 A1 & AU 5767798 A & CA 2275956 A	1, 5, 6, 15, 16, 24, 25, 33, 34 2-4, 7-14, 26-32

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

(See extra sheet)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-16, 24-34

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet(2)

Because of the reasons given below, this international application includes five groups of inventions which do not satisfy the requirement of unity of invention.

Main group: "claims 1-16, 24-34"

Second group: "claims 17-23"

Third group: "claims 35-41"

Fourth group: "claims 42-45"

Fifth group: "claim 46"

The main group of inventions relates to a device for transmitting an identifier for privacy protection which generates and transmits an identifier different from the one which has been transmitted previously for disturbing an invader of privacy.

The second group of inventions relates to transmission an anonymous identifier to a predetermined company so as to act as an anonymous user.

The third group of inventions relates to identification of a mail partner from a partner identification mail address of the transmission destination of the e-mail transmitted from a transmission source.

The fourth group of inventions relates transmission of e-mail transmitted from a transmission source to a specified mail address by identifying the notification company from the notification mail address of the transmission destination of the e-mail transmitted to the transmission destination.

The fifth group of invention relates to transmission of an identifier for a notification company.

There five groups of inventions are not so linked as to form a single general inventive concept.